



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,073

DATE: 09/29/2004

TIME: 13:03:48

Input Set : A:\30775723.app

Output Set: N:\CRF4\09292004\J698073.raw

3 <110> APPLICANT: ROBINSON, CYNTHIA B.
 4 BALL, HOWARD A.
 6 <120> TITLE OF INVENTION: COMBINATION OF DEHYDROEPIANDROSTERONE OR
 7 DEHYDROEPIANDROSTERONE-SULFATE WITH AN ANTI-IGE
 8 ANTIBODY FOR TREATMENT OF ASTHMA OR CHRONIC OBSTRUCTIVE
 9 PULMONARY DISEASE
 11 <130> FILE REFERENCE: 30775-723.201
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/698,073
 14 <141> CURRENT FILING DATE: 2003-10-26
 16 <150> PRIOR APPLICATION NUMBER: 60/492,231
 17 <151> PRIOR FILING DATE: 2003-07-31
 19 <160> NUMBER OF SEQ ID NOS: 19
 21 <170> SOFTWARE: PatentIn Ver. 3.2
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 114
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 30 Humanized Monoclonal Antibody
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 34 1 5 10 15
 36 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Pro Val Asp Gly Glu
 37 20 25 30
 39 Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 40 35 40 45
 42 Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser Gly Val Pro Ser
 43 50 55 60
 45 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 46 65 70 75 80
 48 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser His
 49 85 90 95
 51 Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 52 100 105 110
 54 Thr Val
 58 <210> SEQ ID NO: 2
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 60 <212> TYPE: PRT
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 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 65 Humanized Monoclonal Antibody

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67 <400> SEQUENCE: 2
 68 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 69 1 5 10 15
 71 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Asp Tyr Glu
 72 20 25 30
 74 Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 75 35 40 45
 77 Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser Gly Val Pro Ser
 78 50 55 60
 80 Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 81 65 70 75 80
 83 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser His
 84 85 90 95
 86 Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 87 100 105 110
 89 Thr Val
 93 <210> SEQ ID NO: 3
 94 <211> LENGTH: 114
 95 <212> TYPE: PRT
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 100 Humanized Monoclonal Antibody
 102 <400> SEQUENCE: 3
 103 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 104 1 5 10 15
 106 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Asp Tyr Asp
 107 20 25 30
 109 Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 110 35 40 45
 112 Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser Gly Val Pro Ser
 113 50 55 60
 115 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 116 65 70 75 80
 118 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser His
 119 85 90 95
 121 Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 122 100 105 110
 124 Thr Val
 128 <210> SEQ ID NO: 4
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 130 <212> TYPE: PRT
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 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 135 Humanized Monoclonal Antibody
 137 <400> SEQUENCE: 4
 138 Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
 139 1 5 10 15

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141 Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr Ser Gly
 142 20 25 30
 144 Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
 145 35 40 45
 147 Val Ala Ser Ile Lys Tyr Ser Gly Glu Thr Lys Tyr Asn Pro Ser Val
 148 50 55 60
 150 Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Phe Tyr
 151 65 70 75 80
 153 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 154 85 90 95
 156 Ala Arg Gly Ser His Tyr Phe Gly His Trp His Phe Ala Val Trp Gly
 157 100 105 110
 159 Gln Gly
 163 <210> SEQ ID NO: 5
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 165 <212> TYPE: PRT
 166 <213> ORGANISM: Artificial Sequence
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 169 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 170 Humanized Monoclonal Antibody
 172 <400> SEQUENCE: 5
 173 Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
 174 1 5 10 15
 176 Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr Ser Gly
 177 20 25 30
 179 Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
 180 35 40 45
 182 Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr Asn Pro Ser Val
 183 50 55 60
 185 Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Phe Tyr
 186 65 70 75 80
 188 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 189 85 90 95
 191 Ala Arg Gly Ser His Tyr Phe Gly His Trp His Phe Ala Val Trp Gly
 192 100 105 110
 194 Gln Gly
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 199 <211> LENGTH: 218
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 203 <220> FEATURE:
 204 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
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 208 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 209 1 5 10 15
 211 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Asp Tyr Asp
 212 20 25 30
 214 Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro

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215	35	40	45	
217	Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser Gly Val Pro Ser			
218	50	55	60	
220	Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser			
221	65	70	75	80
223	Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln) Ser His			
224	85	90	95	
226	Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg			
227	100	105	110	
229	Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln			
230	115	120	125	
232	Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr			
233	130	135	140	
235	Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser			
236	145	150	155	160
238	Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr			
239	165	170	175	
241	Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys			
242	180	185	190	
244	His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro			
245	195	200	205	
247	Val Thr Lys Ser Phe Asn Arg Gly Glu Cys			
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256	<220> FEATURE:			
257	<223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant			
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261	Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly			
262	1	5	10	15
264	Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr Ser Gly			
265	20	25	30	
267	Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp			
268	35	40	45	
270	Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr Asn Pro Ser Val			
271	50	55	60	
273	Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Phe Tyr			
274	65	70	75	80
276	Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys			
277	85	90	95	
279	Ala Arg Gly Ser His Tyr Phe Gly His Trp His Phe Ala Val Trp Gly			
280	100	105	110	
282	Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser			
283	115	120	125	
285	Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly' Gly Thr Ala			
286	130	135	140	

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288 Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
289 145 150 155 160
291 Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
292 165 170 175
294 Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
295 180 185 190
297 Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His
298 195 200 205
300 Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys
301 210 215 220
303 Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
304 225 230 235 240
306 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
307 245 250 255
309 Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
310 260 265 270
312 Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
313 275 280 285
315 His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
316 290 295 300
318 Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
319 305 310 315 320
321 Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
322 325 330 335
324 Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
325 340 345 350
327 Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
328 355 360 365
330 Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Leu Ala Val Glu
331 370 375 380
333 Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
334 385 390 395 400
336 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
337 405 410 415
339 Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
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343 435 440 445
345 Pro Gly Lys
346 450
349 <210> SEQ ID NO: 8
350 <211> LENGTH: 218
351 <212> TYPE: PRT
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354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
356 Humanized Monoclonal Antibody
358 <400> SEQUENCE: 8
359 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly

VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number